

IN THE ABSTRACT:

Please amend the Abstract of the Disclosure as follows:

~~On a~~ A radially inner surface of a sealing lip of an oil seal, ~~radiation ray~~ is irradiated to induce a chemical reaction in the ~~materials~~ material of the sealing lip, to form hard helical portions. The hard helical portions act like a helical groove or rib to pump oil back to an oil-side ~~to show an~~ for excellent sealing ~~property~~ properties when there is a relative rotational movement between the sealing lip and a shaft to be sealed, as well as ~~ever~~ a static sealing ability at the time there is no relative rotation movement.